BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work - Detailed Estimate for Annual Maintenance of Street Lights Package D-1 ward No 12 Shettyhalli

Budget Head P0300

Division No Dasarahalli Estimate No 01=2021-22

4990000 00

Sl No	Description of Work	Qty	Rate Per Year Rs Ps	Unit	Amount
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Ignitors Capacitors Switches wires Holders Starters and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below i) Poles with 36 40 W fluorescent tube light street lighting system	427	685 45	Each	292687 15
2	Poles with 125 W MV light Park lighting system	92	756 29	Each	69578 68
3	Poles with 250W HPSV light street lighting system	3738	1019 41	Each	3810554 58
4	Poles with 400 watts HPSV light street lighting system	146	1118 08	Each	163239 68
5	Poles with 24 W LED light street lighting system	2	880 01	Each	1760 02
6	Poles with 65 W LED light street lighting system	236	1147 43	Each	270793 48
7	Poles with 90 W LED light street lighting system	90	1377 66	Each	123989 40
8 72/13 17 1	B Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole a)5 mtr pole	92	550	Each	50600 00
9 72/13 17 3	c) 8 Mtr and above street light pole	20	770	Each	15400 00
10 XIV 256	Moulded Case Circuit Breaker (MCCB) Three Pole 100Amps 25kA	14	2718 00	Each	38052 00
11	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3 5 C Al/Ar / Cu/Ar Cable and branch out 2 5 Sqmm 2 core Al/Cu PVC Insulated cable enclosed in a Thermoplastic Polystyrene enclosure which should be shock proof safe IP65(Weather Proof) rust proof dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets 200mmx200mmx98mm	14	2178	Each	30492
12	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70% CCT > 5500K IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08 Power Factor >0 9 with mains Surge Protection- Min 5KV along with Over voltage/Overload short circuit/ miss-wiring protection Compatible for pole mounting with outer dia of 40mm to 50mm Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS UL approved MCPCB LED Efficiency>130lm/w, nominal CRI >75 Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001 2008 Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram	17	5600	Each	95200
13	GST @ 12% ON 8,9,10,11,12				27569 28
14	Misleniuos				83 73
	Total				4990000.00

CERTIFICATE

1 The Place was inspected and work is essential
2 The Provision made in the estimate is adequate and are necessary
3 The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds
4 The rates in the Estimate is based on PWD (Elec) SR of 2019-20 /BESCOM SR approved rates

Asst Engineer (Elec)

Asst Exe Engineer (Elec)
Sub-Division No

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Technically Sanctioned For Rs. 49,90,000/-

Rs. In Words - Forty nine Lakhs Ninety thousand only

Under P0300

Job Code No 012-20-000035

Registered as SE No 27 /19-20 subject to conditions contained in Enclosed Memo No SE(D)/TS/27/19-20 Dt 03/02/20

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SE(D)

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